



Exhibit 8

  **Nucleotide**

PubMed Nucleotide Protein Genome Structure PopSet Taxonomy OMIM Boo

Search for

Limits Preview/Index History Clipboard Details

1: NM_001400. Homo sapiens endo...
[gi:13027635]

Related Sequences, OMIM, Protein, PubMed, Taxonomy,
UniSTS, LinkOut

LOCUS NM_001400 2753 bp mRNA linear PRI 16-FEB-2001
DEFINITION Homo sapiens endothelial differentiation, sphingolipid
G-protein-coupled receptor, 1 (EDG1), mRNA.
ACCESSION NM_001400
VERSION NM_001400.2 GI:13027635
KEYWORDS
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1 (bases 1 to 2753)
AUTHORS Hla, T. and Maciag, T.
TITLE An abundant transcript induced in differentiating human endothelial
cells encodes a polypeptide with structural similarities to
G-protein-coupled receptors
J Biol. Chem. 265 (16), 9308-9313 (1990)
MEDLINE 90264425
REFERENCE 2 (bases 1 to 2753)
AUTHORS An, S., Bleu, T., Huang, W., Hallmark, O.G., Coughlin, S.R. and
Goetzl, E.J.
TITLE Identification of cDNAs encoding two G protein-coupled receptors
for lysosphingolipids
FEBS Lett. 417 (3), 279-282 (1997)
MEDLINE 98072391
REFERENCE 3 (bases 1 to 2753)
AUTHORS Lee, M.J., Van Brocklyn, J.R., Thangada, S., Liu, C.H., Hand, A.R.,
Menzeleev, R., Spiegel, S. and Hla, T.
TITLE Sphingosine-1-phosphate as a ligand for the G protein-coupled
receptor EDG-1
J Biol. Chem. 273 (19), 12552-12555 (1998)
MEDLINE 98155258
COMMENT REVIEWED REFSEQ: This record has been curated by NCBI staff. The
reference sequence was derived from AF233365.1, M31210.1.
On Feb 21, 2001 this sequence version replaced gi:4503454.
Summary: The protein encoded by this gene is structurally similar
to G protein-coupled receptors and is highly expressed in
endothelial cells. It binds the ligand sphingosine-1-phosphate
with high affinity and high specificity, and suggested to be
involved in the processes that regulate the differentiation of
endothelial cells. Activation of this receptor induces cell-cell
adhesion.
COMPLETENESS: complete on the 3' end.
FEATURES
source Location/Qualifiers
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/organism="Homo sapiens"

http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=nucleotide&list_uids=1... 4/28/2002

NCBI Sequence Viewer

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ORIGIN

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http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=nucleotide&list_uids=1... 4/28/2002

NCBI Sequence Viewer

EDG-I
RP
antisense

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Revised: October 24, 2001.

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